Errors

Errors

2 types of errors

- Recoverable
- Unrecoverable

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- Recoverable - Result enum
- Unrecoverable - panic! macro

panic!

Unrecoverable errors

```
panic!(message);
```

panic!

Unrecoverable errors

```
panic!(message);
```

Panic will terminate the program or thread

Recoverable errors

Result enum

```
enum Result<T,E> {
   OK(T),
   Err(E)
 }
```

Recoverable errors

Result enum

```
enum Result<T,E> {
   OK(T),
   Err(E)
 }
```

```
match res {
   Ok(a) => { ... }
   Err(b) => { ... }
}
```

Recoverable errors

Option enum

```
enum Option<T> {
   Some(T),
   None
 }
```

Recoverable errors

Option enum

```
enum Option<T,E> {
   Some(T),
   None
 }
```

```
match res {
   Some(a) => { ... }
   None => { ... }
}
```